

V
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CIA/FDD XX-153

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Toxicity, Metal poisoning.

(Biological Sciences--Toxicology, TT, v. 10, no. 10)

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- IV. Title: Chromates...
- V. Title: Chronic...
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DESCRIPTORS: *Polylenes, Polymerization, *Radio-
chemistry.

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DESCRIPTORS: *Partial differential equations,
*Differential equations, Green's function, Equations,
Matrix algebra.

New estimates are obtained for elements of Green's
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Trans. of Matematicheskii Sbornik (USSR) 1956, v. 38(80) no. 1, p. 51-92.

DESCRIPTORS: *Partial differential equations, Green's function, Functions, Complex variables, Matrix algebra, Determinants.

This study is devoted to (1) an analytic description of Green's matrix; (2) to the construction of a fundamental matrix of solutions of system in the case of the strip $0 \leq t \leq T$; $-\infty < X_s < \infty$; $s = 1, 2, \dots, n$, its application to the solution of the Cauchy problem, and an investigation of some properties of regular solutions (Mathematics, TT, v. 9, no. 4) (over)

62-18860

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DESCRIPTORS: *Partial differential equations, Functions, Complex variables, Integral equations, Matrix algebra, Inequalities.

In this paper fundamental matrices of solutions are constructed for arbitrary linear parabolic systems and some of their applications are given.

(Mathematics, TT, v. 9, no. 4)

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Trans. of Archiv für Elektrotechnik (Germany) 1957,
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DESCRIPTORS: *Electric arcs, *Magnetic fields,
*Plasma physics, Switches, Rectifiers, Aeronautics,
Cathodes, Hall effect, Statics, Dynamics, Bibliography.

The behavior of the electric arc in a transverse magnetic
field is described in the light of previous publications
and, above all, on the basis of comprehensive personal
investigations. Not only are the physical data to be
covered as accurately as possible, but also all essential
information on the magnetic blowing which is frequently
used in the construction of switch gear is to be given to
(Physics-Electricity, TT, v. 9, no. 5) (over)

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I. Eidinger, A.
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On the Incoherent Radio Emission of the Charged
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SLA Tr 2348

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JPRS 5970

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Scattering Section in the Case of Media with
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No 6(12), 1959, pp 1508-1512.

Ames Inst of Phys
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Vol VIII(35), No 6

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The Effects of Overmaturity on Eggs of *Tana*
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DEPENDENCE OF THE HYDROGEN-CARBON RATIO
IN LIQUID FUEL UPON ITS AVERAGE SPECIFIC
GRAVITY. [1961] 6p. 12 refs.
Order from OTS or SLA \$1.10

61-20140

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1945,
v. 18, p. 548-555.

DESCRIPTORS: Liquids, *Fuels, *Oils, Organic com-
pounds, *Hydrogen, *Carbon, Density, Stability.

On the example of a large number of organic com-
pounds the hydrogen-carbon ratio was correlated with
specific gravity. An equation $(H/C)' = 3.86 - 2.3D$
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